

SERVICE BULLETIN

Beech

TITLE: FLIGHT CONTROLS - INSPECTION FOR CONTROL COLUMN INTERFERENCE WITH WIRING BEHIND THE INSTRUMENT PANEL

1. Planning Information

A. Effectivity

(1) Airplanes

Beech Bonanza A36, Serials E-3058 through E-3156, E-3158 through E-3170, E-3172 through E-3177, E-3180 through E-3185, E-3187 through E-3198, E-3200 and E-3202;

B36TC, Serials EA-594 through EA-610, EA-613, EA-615, EA-616, EA-618, EA-619, and EA-621;

Baron 58, Serials TH-1806 through TH-1840, TH-1842 through TH-1854, TH-1856, TH-1860 through TH-1867 and TH-1870;

King Air C90A, Serials LJ-1459 through LJ-1504, LJ-1506 through LJ-1523, LJ-1525 through LJ-1530;

King Air B200, Serials BB-1551 through BB-1591, BB-1593 through BB-1622, BB-1624 through BB-1627;

King Air B300 (350), Serials FL-152 through FL-179, FL-181 through FL-187, FL-189, FL-190, FL-192, FL-194, FL-196 through FL-205, FL-207, FL-210 and FL-211;

Airliner 1900D, Serials UE-1 through UE-319, UE-321, UE-323 through UE-328, UE-330 and UE-332.

NOTE

If Safety Communique 149, or Safety Communique 149, Rev. 1 has been complied with, no further action is required.

Raytheon Aircraft Company (RAC) issues Service Information for the benefit of owners and fixed base operators in the form of two classes of Service Bulletins. The first class, Mandatory Service Bulletins (red border) includes changes, inspections and modifications that could affect safety or crashworthiness. RAC also issues Service Bulletins with no red border which are designated as either recommended or optional in the compliance section within the bulletin. In the case of recommended Service Bulletins, RAC feels the changes, modifications, improvements or inspections will benefit the owner/operator and although highly recommended, Recommended Service Bulletins are not considered mandatory at the time of issuance. In the case of Optional Service Bulletins, compliance with the changes, modifications, improvements or inspections is at the owner/operator's discretion. Both classes are mailed to:

(a) RAC Authorized Service Centers.

(b) Owners of record on the FAA Aircraft Registration Branch List and the RAC International Owner Notification/Registration Service List.

(c) Those having a publications subscription.

Information on Owner Notification Service or subscription can be obtained through any RAC Authorized Service Center. As Mandatory Service Bulletins and Service Bulletins are issued, temporary notification in the Service Bulletin Master Index should be made until the index is revised. Warranty will be allowed only when specifically defined in the Service Bulletin and in accordance with the RAC Warranty Policy.

Unless otherwise designated, RAC Mandatory Service Bulletins, Service Bulletins and RAC Kits are approved for installation on RAC airplanes in original or RAC modified configurations only. RAC Mandatory Service Bulletins, Service Bulletins and Kits may not be compatible with airplanes modified by STC installations or modifications other than RAC approved kits.



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If you are no longer in possession of the airplane, please forward this information to the present owner.

(2) Spares

None.

B. Reason

This Service Bulletin is being issued to inspect for flight control mechanism interference with any component located forward of the instrument panel. Raytheon Aircraft Company issued Safety Communique No. 149 and Safety Communique No. 149, Rev.1 after receiving reports of temporary aileron and elevator control restriction of the control column.

C. Description

This Service Bulletin provides for the inspection and repair that should be accomplished to remove any interference between the flight control mechanisms and wire bundles, air ducting, or plumbing located forward of the instrument panel.

D. Compliance

Raytheon Aircraft Company considers this to be a mandatory inspection and it should be accomplished no later than the next 25 hours or as soon as possible after receipt of this Service Bulletin. If Safety Communique 149 or Safety Communique 149, Rev.1 has been complied with no further action is required. This inspection need not be accomplished on any aircraft that has been previously inspected in this area in accordance with:

A36/B36TC, 58	Annual or 100 Hour Inspection Program
C90A/B200/B300	Phase Inspection Program
1900D	Detail Inspection Program
As Required	Approved Aircraft Inspection Program (AAIP)

An Airworthiness Directive has been requested on the matter covered by this Service Bulletin.

E. Approval

The engineering data contained in this Service Bulletin is FAA approved.

F. Manpower

The following information is for planning purposes only:

Estimated man-hours for inspection: 1 hour.

Estimated man-hours for repair: 1 hour.

Suggested number of men: 2 men.

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The above is an estimate based on experienced, properly equipped personnel complying with this Service Bulletin. Occasionally, after work has started, conditions may be found which could result in additional man-hours.

G. Weight and Balance

None.

H. Electrical Load Data

Not changed.

I. Software Accomplishment Summary

Not applicable.

J. References

Raytheon Aircraft Company Safety Communique 149 and Safety Communique 149 Rev. 1.

K. Publications Affected

None.

L. Interchangeability of Parts

Not applicable.

M. Warranty Credit

Warranty credit for labor to the extent noted under MANPOWER will be allowed on all affected airplanes.

Warranty coverage offered in this Service Bulletin will expire 12 months from the last day of the month this Service Bulletin is issued. After that date, the owner/operator assumes the responsibility for compliance cost. Raytheon Aircraft Company reserves the right to void warranty coverage in the area affected by this Service Bulletin until the date the Service Bulletin is accomplished by a Raytheon Aircraft Company Authorized Service Center.

All warranty work must be accomplished by a Raytheon Aircraft Authorized Service Center rated to perform maintenance on the specific model of Beech Airplane.

All warranty reimbursements are handled through Raytheon Aircraft Company Authorized Service Centers. The owner/operator should arrange for an Authorized Service Center to perform the work and the Authorized Service Center must submit the standard Raytheon Aircraft Company warranty claim.

2. Material Information

A. Materials - Price and Availability

Not applicable.

B. Industry Support

Not applicable.

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C. Airplanes

Raytheon Aircraft Company expressly reserves the right to supersede, cancel and/or declare obsolete, without prior notice, any parts or publications that may be referenced in this Service Bulletin.

D. Spares

Not applicable.

E. Reidentified Parts

None.

F. Tooling - Price and Availability

Not applicable.

3. Accomplishment Instructions

This Service Bulletin shall be accomplished as follows:

NOTE

Should any difficulty be encountered in accomplishing this Service Bulletin, contact Raytheon Aircraft Company at 1-800-429-5372 or 316-676-3140.

A. Airplane

WARNING

Observe all Warnings and Cautions contained in the aircraft manuals referred to in this Service Bulletin.

Whenever any part of this system is dismantled, adjusted, repaired or renewed, detailed investigation must be made on completion to make sure that distortion, tools, rags or any other loose articles or foreign matter that could impede the free movement and safe operation of the system are not present, and that the systems and installations in the work area are clean.

- (1) Remove all power from the airplane and disconnect the battery. Display warning notices prohibiting reconnection of airplane electrical power.
- (2) Gain access to the forward side of the instrument panel.
- (3) The aileron and elevator system must be moved through the full range of travel while this inspection is being performed,
- (4) Inspect the area to assure that no electrical/avionics wiring, wire bundles, air ducting, plumbing (both hard and soft lines), etc., are, or can come, in contact with any part of the flight control mechanisms located forward of the instrument panel.

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- (5) Any item that comes in contact with the control mechanisms forward of the instrument panel shall be secured clear of this mechanism in accordance with best shop practices.
- (6) Reconnect the airplane battery, remove warning notices and restore power.
- (7) Ensure all work areas are clean and clear of tools and miscellaneous items of equipment.
- (8) Return airplane to service.

B. Spares

Not applicable.

C. Record of Compliance

Upon completion of this Service Bulletin, make an appropriate maintenance record entry.